

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 3462.1014-000
INTERNATIONAL APPLICATION NO. PCT/JP2003/013768		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/533015</b>
INTERNATIONAL FILING DATE 28 October 2003 (28.10.2003)	EARLIEST PRIORITY DATE CLAIMED 28 October 2002 (28.10.2002)	
TITLE OF INVENTION <b>METHOD OF CONTROLLING MIGRATION OF SUBSTANCE</b>		
APPLICANT(S) FOR DO/EO/US <b>Kazuyoshi Yano, Isao Karube, Atsunori Hiratsuka and Shuo-Wen Tsai</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p style="margin-left: 40px;"><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: International Search Report (PCT/ISA/210); Notification of Receipt of Demand for IPE (PCT/IPEA/402); Information Concerning Elected Offices Notified of their Election (PCT/IB/332); Written Opinion (PCT/IPEA/408); and Notification of Transmittal of International Preliminary Examination Report (IPER) (PCT/IPEA/416) and IPER (PCT/IPEA/409).</li> </ol>		

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The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/> Basic national fee .....	\$300.00		\$300	
22.	<input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....	\$100.00			
	All other situations .....	\$200.00		\$200	
23.	<input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....	\$100.00			
	International Search Report prepared and provided to the Office .....	\$400.00			
	All other situations .....	\$500.00		\$400	
<b>TOTAL OF 21, 22 and 23 =</b>				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00	\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	10 - 20 =	0	x \$50.00	\$0.00	
Independent claims	4 - 3 =	1	x \$200.00	\$200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,100.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$1,100.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
<b>TOTAL NATIONAL FEE =</b>				\$1,100.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
<b>TOTAL FEES ENCLOSED =</b>				\$1,100.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$

a. ☒ A check in the amount of \$1,100 to cover the above fees is enclosed.

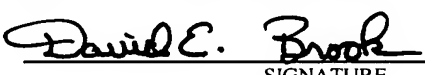
b. ☐ Please charge my Deposit Account No. 08-0380 in the amount of \$[ ] to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A duplicate copy of this sheet is enclosed.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 021005  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
530 Virginia Road  
P.O. Box 9133  
Concord, MA 01742-9133

  
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 SIGNATURE

David E. Brook  
 \_\_\_\_\_  
 NAME

22,592  
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 REGISTRATION NUMBER

10/533015

PATENT APPLICATION  
Docket No.: 3462.1014-000  
JC12 Rec'd PCT/PTC 28 APR 2005

IN THE UNITED STATES RECEIVING OFFICE (RO/US)  
Designated/Elected Office (DO/EO/US)

U.S. National Stage of

International Application No.: PCT/JP2003/013768

International Filing Date: October 28, 2003

Earliest Priority Date Claimed: October 28, 2002

Applicants: Kazuyoshi Yano, Isao Karube, Atsunori Hiratsuka and  
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Title: "METHOD OF CONTROLLING MIGRATION OF  
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Attorney's Docket No.: 3462.1014-000

Date: 28 April 2005

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